

**Prentice Hall Mathematics: Geometry Kentucky Student Edition**

Comprehensive instructional support for proof. Multiple formats are supported through mastery. Traditional geometry concepts & logical reasoning are emphasized throughout. Algebra 1 skills are reviewed at point of use, ensuring students maintain skills.

Teacher Edition	
0133685489	\$91.97
Prentice Hall Mathematics: Geometry Kentucky Teacher's Edition	
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0131658824	Prentice Hall Mathematics: Geometry - Spanish Vocabulary and \$4.47

ISBN**013368542X**Contract Price

\$69.97

Grade

9, 10, 11, 12

TYPE

P1

Copyright

2009

Author

Kennedy et al.

Edition

4th

Content

Geometry

Readability

880L

Accessibility

Nimas

Research

<http://www.pearsonschool.com/index.cfm?locator=PSZ3Wu>

**Prentice Hall Mathematics: Geometry Kentucky Student Edition**

**013368542X**

0131910124	Prentice Hall Mathematics: Geometry - Spanish Workbook Answer	\$9.97
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Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 013368542X		Publisher - <b>Pearson Education, Inc., publishing as Prentice Hall</b>		Provided by the Publisher
	<b>Prentice Hall Mathematics: Geometry Kentucky Student Edition</b>				
	Type - P1	Author - Kennedy et al.			
	Copyright - 2009	Edition - 4th	Readability - 880L		
	Course - Geometry		Grade(s) - 9, 10, 11, 12		
Teacher Edition ISBN if applicable .....0133685489					

**Overall Recommendation:**

**Recommended as BASAL**

**Overall Strengths, Weaknesses, Comments:**

if this box is not checked, the evaluators have  
chosen NOT recommend as basal

**This textbook thoroughly addresses all geometry and measurement concepts. The variety of questions (both in terms of the type of question and the difficulty level) allow the textbook to be utilized by a wide audience. Questions requiring higher-order thinking skills are present throughout. Materials for remediating or giving extra practice are also abundant. Technology use is embedded throughout. This textbook would be appropriate for use both in advanced and general geometry courses.**

NIMAC Accessibility N  
Ancillary No  
Free with Purchase Yes  
Research Yes <http://www.pearsonschool.com/index.cfm?locator=PSZ3Wu>

Comprehensive instructional support for proof. Multiple formats are supported through mastery. Traditional geometry concepts & logical reasoning are emphasized throughout. Algebra 1 skills are reviewed at point of use, ensuring students maintain skills.

**CRITERIA**

This basal resource ...

**A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence**

Text is designed to be used in an elective course outside the Program of Studies

**1) Includes the 5 Big Ideas of mathematics to the following extent:**

- |  |                 |
|--|-----------------|
| <b>a) Number Properties and Operations</b> | Strong Evidence |
| <b>b) Measurement</b>                      | Strong Evidence |
| <b>c) Geometry</b>                         | Strong Evidence |
| <b>d) Data Analysis and Probability</b>    | Strong Evidence |
| <b>e) Algebraic Thinking</b>               | Strong Evidence |

- |   |                 |
|---|-----------------|
| <b>2) Addresses content-specific enduring understandings from the related Program of Studies standards.</b> | Strong Evidence |
|---|-----------------|

<b>3) Addresses content-specific skills and concepts from the related Program of Studies standards.</b>	Strong Evidence
<b>4) Content addressed is current, relevant and non-trivial</b>	Strong Evidence
<b>5) Provides opportunities for critical thinking/reasoning</b>	Strong Evidence
<b>6) Strengths, Weaknesses, Comments:</b> <ul style="list-style-type: none"> <li>Specific strengths-which areas/concepts are covered exceptionally well?</li> <li>Specific weaknesses-which areas/concepts would likely require supplementing?</li> </ul> Textbook thoroughly addresses all relevant concepts from the Program of Studies.	

<b>B. Functionality &amp; Suitability</b>	<b>Strong Evidence</b>
<b>1) Suitability</b> <ul style="list-style-type: none"> <li>Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.</li> </ul>	<b>Strong Evidence</b>
<b>2) Content quality</b> <ul style="list-style-type: none"> <li>Free from factual errors</li> <li>Content is presented conceptually when possible—more than a mere collection of facts</li> <li>Content included accurately represents the knowledge base of the discipline</li> <li>Theories/scientific models contained represent a broad consensus of the scientific community</li> <li>Interconnections among mathematical topics</li> </ul>	<b>Strong Evidence</b>
<b>3) Connections to Literacy</b> <ul style="list-style-type: none"> <li>Employs a variety of reading levels and is grade/level appropriate</li> <li>Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.</li> <li>Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.</li> <li>Student text provides opportunity to integrate reading and writing</li> <li>Uses vocabulary that is age and content appropriate</li> <li>Focuses on critical vocabulary vs. extensive lists</li> <li>Identifies key vocabulary through definitions in both text and glossary</li> <li>The text is engaging and facilitates learning</li> <li>Embedded activities enhance the understanding of the text</li> </ul> <i>Note: may apply to either student or teacher editions</i>	<b>Strong Evidence</b>
<b>4) Connections to Technology</b> <ul style="list-style-type: none"> <li>Integrates technology and reflects the impact of technological advances</li> <li>Uses technology in the collection and/or manipulation of authentic data</li> <li>Embeds web links as a mathematics resource.</li> </ul>	<b>Strong Evidence</b>
<b>5) Support for Diverse Learners</b>	<b>Strong Evidence</b>

Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

*Note: may apply to either student or teacher editions*

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**6) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Vocabulary is highlighted and in bold face and also summarized separately. Technology is embedded throughout. A large number of problems of various types (including open response) and at a variety of difficulty levels is included. Techniques for differentiating the material are included.

<b>C. Supports Inquiry and Skill Development</b>	<b>Strong Evidence</b>
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**1) Promotes Inquiry, research and Application of Learning**

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

*Note: may apply to either teacher or student edition*

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**2) Skill Development**

Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

*Note: may apply to either teacher or student edition*

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**3) Strengths, Weaknesses, Comments:**

Problems involving critical thinking and higher-order reasoning are included throughout. Connections within mathematics and to other fields of study are made. Technology use is promoted.

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## D. Supports Best Practices of Teaching and Learning

Strong Evidence

### 1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

*Note: may apply to either teacher or student edition*

### 2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

*Note: may apply to either teacher or student edition*

### 3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

A variety of assessment types are utilized. Real-world applications are evident throughout. A variety of problem-solving strategies are presented. Informal as well as formal proof is evident throughout.

## E. Has an Organization/ Format that Supports Learning and Teaching

Strong Evidence

### 1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit

- Construction appears to be durable and able to withstand normal use

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**2) Essential Components (beyond student and teacher text)**

Strong Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

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**3) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Textbook is well-organized. Color and graphics enhance reinforce the content. Technology use is integrated throughout.

**F. Has available Ancillary/ Gratis Materials**

*Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F*

**Strong Evidence**

**1) Ancillary/Gratis Materials**

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

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**2) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

A large number of gratis materials provide additional practice problems, remediation, extensions, additional activities, and additional differentiation.

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